

CERTIFICATE OF ANALYSIS

PRODUCED: JUN 19, 2022

SAMPLE: STAR-BERRY COUGH (PRE-ROLL) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS  
NON INFUSED



BATCH NO.: GHFSTC0609MP  
METRC UID: 1A406030003DC49000002881  
MATRIX: PRE-ROLL  
CATEGORY: INHALABLE  
SAMPLE ID: BCL-220615-040  
COLLECTED ON: JUN 15, 2022  
RECEIVED ON: JUN 15, 2022  
BATCH/SAMPLE SIZE: 1003 UNITS / 8 UNITS  
PACKAGE SIZE: 2.5 G

CANNABINOID OVERVIEW

TOTAL THC:	23.04991 %
TOTAL CBD:	0.05239 %
SUM OF CANNABINOIDS:	26.83745 %

CULTIVATOR INFO

**CULTIVATOR**  
MISSION HEALTH ASSOCIATES, INC.  
DBA GLASS HOUSE FARMS  
5601 CASITAS PASS RD  
CARPINTERIA, CA 93013

**LICENSE**  
CCL18-0003034  
ADULT-USE - CULTIVATOR LICENSE

DISTRIBUTOR INFO

**DISTRIBUTOR**  
ALKHEMIST DM LLC  
2211 DAMON STREET  
LOS ANGELES, CA 9002

**LICENSE**  
C11-0001456-LIC  
ADULT-USE - DISTRIBUTOR LICENSE



BCL-03: CANNABINOID POTENCY BY HPLC-UV // JUN 16, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	< LOQ	< LOQ	0.01086/0.24679	N/A
CBCA	0.23129 %	2.3129 mg/g	0.0311/0.24679	N/A
CBD	ND	ND	0.0153/0.24679	N/A
CBDA	0.05974 %	0.5974 mg/g	0.0079/0.24679	N/A
CBDV	ND	ND	0.01185/0.24679	N/A
CBDVA	ND	ND	0.0079/0.24679	N/A
CBG	0.09552 %	0.9552 mg/g	0.01431/0.24679	N/A
CBGA	0.21381 %	2.1381 mg/g	0.00987/0.24679	N/A
CBN	ND	ND	0.0079/0.24679	N/A
Δ <sup>8</sup> -THC	ND	ND	0.02863/0.24679	N/A
Δ <sup>9</sup> -THC	1.30953 %	13.0953 mg/g	0.02073/0.24679	N/A
THCA	24.78949 %	247.8949 mg/g	0.01481/0.24679	N/A
THCV	ND	ND	0.01629/0.24679	N/A
THCVA	0.13807 %	1.3807 mg/g	0.01135/0.24679	N/A
TOT THC**	23.04991 %	230.4991 mg/g		N/A
TOT CBD**	0.05239 %	0.5239 mg/g		N/A
CBD/PKG	ND			N/A
Δ <sup>9</sup> -THC/PKG	32.74 mg			N/A
TOT CBD/PKG**	1.31 mg			N/A
TOT THC/PKG**	576.25 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // JUN 17, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.82621 %	8.2621 mg/g		N/A
β-CARYOPHYLLENE	0.23536 %	2.3536 mg/g	0.00183/0.13356	N/A
β-MYRCENE	0.19942 %	1.9942 mg/g	0.00036/0.13356	N/A
D-LIMONENE	0.13547 %	1.3547 mg/g	0.00024/0.13356	N/A
LINALOOL	0.08451 %	0.8451 mg/g	0.00035/0.13356	N/A
α-HUMULENE	0.08182 %	0.8182 mg/g	0.00045/0.13356	N/A
β-PINENE	0.03901 %	0.3901 mg/g	0.00216/0.13356	N/A
α-BISABOLOL	0.03304 %	0.3304 mg/g	0.00416/0.13356	N/A
α-PINENE	0.01758 %	0.1758 mg/g	0.00021/0.13356	N/A
GERANIOL	< LOQ	< LOQ	0.00028/0.13356	N/A
CAMPHENE	< LOQ	< LOQ	0.00021/0.13356	N/A
TERPINOLENE	ND	ND	0.00028/0.13356	N/A
P-CYMENE	ND	ND	0.00026/0.13356	N/A
ISOPULEGOL	ND	ND	0.00052/0.13356	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.00044/0.13356	N/A
GUAIOL	ND	ND	0.00261/0.13356	N/A
γ-TERPINENE	ND	ND	0.00045/0.13356	N/A
EUCALYPTOL	ND	ND	0.00045/0.13356	N/A
CIS-β-OCIMENE	ND	ND	0.00129/0.0414	N/A
α-TERPINENE	ND	ND	0.00029/0.13356	N/A
TRANS-β-OCIMENE	ND	ND	0.00048/0.09216	N/A

\*\* TOTAL CBD = (CBDA X 0.877) + CBD  
\*\* TOTAL THC = (THCA X 0.877) + THC  
DRY-WEIGHT AMOUNTS SHOWN

SAMPLE WAS TESTED AS RECEIVED. ALL LQC SAMPLES REQUIRED BY SECTION 15730 OF CALIFORNIA CODE OF REGULATIONS TITLE 4 DIVISION 19 DEPARTMENT OF CANNABIS CONTROL WERE PERFORMED AND MET THE ACCEPTANCE CRITERIA.

RESULTS CERTIFIED BY: CODY SHEPPARD, PH.D.  
SCIENCE DIRECTOR, BELCOSTA LABS  
JUN 19, 2022



# REGULATORY COMPLIANCE TESTING

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JUN 17, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.01153/0.04	PASS	METALAXYL	2 µg/g	ND	0.00503/0.02	PASS
ACEPHATE	0.1 µg/g	ND	0.00368/0.02	PASS	METHIOCARB	Any amt	ND	0.00503/0.02	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.00417/0.02	PASS	METHOMYL	1 µg/g	ND	0.00494/0.02	PASS
ACETAMIPRID	0.1 µg/g	ND	0.00464/0.02	PASS	MEVINPHOS	Any amt	ND		PASS
ALDICARB	Any amt	ND	0.01109/0.04	PASS	MEVINPHOS I		ND	0.00163/0.0084	N/A
AZOXYSTROBIN	0.1 µg/g	ND	0.00639/0.02	PASS	MEVINPHOS II		ND	0.00542/0.0316	N/A
BIFENAZATE	0.1 µg/g	ND	0.00355/0.02	PASS	MYCLOBUTANIL	0.1 µg/g	ND	0.00867/0.04	PASS
BIFENTHRIN	3 µg/g	ND	0.00473/0.04	PASS	NALED	0.1 µg/g	ND	0.00328/0.02	PASS
BOSCALID	0.1 µg/g	ND	0.00494/0.02	PASS	OXAMYL	0.5 µg/g	ND	0.00455/0.02	PASS
CARBARYL	0.5 µg/g	ND	0.00295/0.02	PASS	PACLOBUTRAZOL	Any amt	ND	0.00714/0.04	PASS
CARBOFURAN	Any amt	ND	0.00613/0.02	PASS	PERMETHRIN	0.5 µg/g	ND		PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.00697/0.04	PASS	PERMETHRIN CIS		ND	0.00237/0.0082	N/A
CLOFENTEZINE	0.1 µg/g	ND	0.0054/0.02	PASS	PERMETHRIN TRANS		ND	0.00245/0.0118	N/A
COUMAPHOS	Any amt	ND	0.00215/0.02	PASS	PHOSMET	0.1 µg/g	ND	0.0043/0.02	PASS
CYFLUTHRIN	2 µg/g	ND	0.05508/0.2	PASS	PIPERONYLBUTOXIDE	3 µg/g	ND	0.00247/0.02	PASS
CYPERMETHRIN	1 µg/g	ND	0.00556/0.04	PASS	PRALLETHRIN	0.1 µg/g	ND	0.00392/0.02	PASS
DAMINOZIDE	Any amt	ND	0.00227/0.04	PASS	PROPICONAZOLE	0.1 µg/g	ND	0.0024/0.02	PASS
DIAZINON	0.1 µg/g	ND	0.00487/0.02	PASS	PROPOXUR	Any amt	ND	0.00374/0.02	PASS
DIMETHOATE	Any amt	ND	0.00354/0.02	PASS	PYRETHRINS	0.5 µg/g	ND		PASS
DIMETHOMORPH	2 µg/g	ND		PASS	PYRETHRINS PYRETHRIN I		ND	0.00726/0.04	N/A
DIMETHOMORPH I		ND	0.00109/0.0078	N/A	PYRETHRINS PYRETHRIN II		ND	0.00754/0.02284	N/A
DIMETHOMORPH II		ND	0.0015/0.0122	N/A	PYRIDABEN	0.1 µg/g	ND	0.0034/0.02	PASS
ETHOPROPHOS	Any amt	ND	0.0041/0.02	PASS	SPINETORAM	0.1 µg/g	ND		PASS
ETOFENPROX	Any amt	ND	0.00274/0.02	PASS	SPINETORAM J		ND	0.00329/0.016	N/A
ETOXAZOLE	0.1 µg/g	ND	0.00385/0.02	PASS	SPINETORAM L		ND	0.00157/0.016	N/A
FENHEXAMID	0.1 µg/g	ND	0.01055/0.02	PASS	SPINOSAD	0.1 µg/g	ND		PASS
FENOXYCARB	Any amt	ND	0.00175/0.02	PASS	SPINOSAD A		ND	0.00205/0.01438	N/A
FENPYROXIMATE	0.1 µg/g	ND	0.00481/0.02	PASS	SPINOSAD D		ND	0.00104/0.00498	N/A
FIPRONIL	Any amt	ND	0.00478/0.02	PASS	SPIROMESIFEN	0.1 µg/g	ND	0.00944/0.04	PASS
FLONICAMID	0.1 µg/g	ND	0.00398/0.02	PASS	SPIROTETRAMAT	0.1 µg/g	ND	0.00208/0.02	PASS
FLUDIOXONIL	0.1 µg/g	ND	0.01369/0.04	PASS	SPIROXAMINE	Any amt	ND	0.00344/0.02	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.00297/0.02	PASS	TEBUCONAZOLE	0.1 µg/g	ND	0.00816/0.04	PASS
IMAZALIL	Any amt	ND	0.0056/0.02	PASS	THIACLOPRID	Any amt	ND	0.0039/0.02	PASS
IMIDACLOPRID	5 µg/g	ND	0.00645/0.02	PASS	THIAMETHOXAM	5 µg/g	ND	0.00358/0.02	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.00339/0.02	PASS	TRIFLOXYSTROBIN	0.1 µg/g	ND	0.00421/0.02	PASS
MALATHION	0.5 µg/g	ND	0.00472/0.02	PASS					

## BCL-13: PESTICIDE TESTING BY GC/MS // JUN 18, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03039/0.09203	PASS	CHLORPYRIFOS	Any amt	ND	0.0108/0.03281	PASS
CHLORDANE	Any amt	ND		PASS	DICHLORVOS	Any amt	ND	0.01138/0.03449	PASS
CHLORDANE CIS		ND	0.01075/0.03258	N/A	METHYL PARATHION	Any amt	ND	0.01306/0.03957	PASS
CHLORDANE TRANS		ND	0.01028/0.03108	N/A					



# REGULATORY COMPLIANCE TESTING

CHLORFENAPYR Any amt ND 0.02317/0.07013 PASS

PENTACHLORONI-TROBENZENE 0.1 µg/g ND 0.01358/0.04119 PASS

## BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // JUN 17, 2022

ANALYTE	LIMIT AMT (µg/g)	AMT	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16963/0.59172	PASS
ACETONE	5000 µg/g	ND	19.0927/59.1716	PASS
ACETONITRILE	410 µg/g	ND	16.9428/59.1716	PASS
BENZENE	1 µg/g	ND	0.07495/0.59172	PASS
BUTANE	5000 µg/g	ND	17.86588/59.1716	PASS
CHLOROFORM	1 µg/g	ND	0.17357/0.59172	PASS
ETHANOL	5000 µg/g	ND	14.64694/59.1716	PASS
ETHYL ACETATE	5000 µg/g	ND	18.08679/59.1716	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18935/0.59172	PASS
ETHYL ETHER	5000 µg/g	ND	15.93294/59.1716	PASS
HEPTANE	5000 µg/g	ND	13.94083/59.1716	PASS
HEXANE	290 µg/g	ND	21.46351/98.61933	PASS
ISOPROPYL ALCOHOL	5000 µg/g	< LOQ	14.7929/59.1716	PASS
METHANOL	3000 µg/g	ND	13.26627/59.1716	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.1499/0.59172	PASS
PENTANE	5000 µg/g	ND	32.62327/98.61933	PASS
PROPANE	5000 µg/g	ND	16.85602/59.1716	PASS
TOLUENE	890 µg/g	ND	9.31361/59.1716	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.0789/0.59172	PASS
O-XYLENE		ND	4.41026/29.5858	N/A
P- AND M-XYLENE		ND	4.08679/29.5858	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

## BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // JUN 17, 2022

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	0.23/4	N/A
AFLATOXIN B2		ND	0.181/4	N/A
AFLATOXIN G1		ND	0.155/4	N/A
AFLATOXIN G2		ND	0.934/4	N/A
AFLATOXINS	20 µg/kg	ND		PASS
OCHRATOXIN A	20 µg/kg	ND	0.385/4	PASS

## BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // JUN 16, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.60	PASS

## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUN 16, 2022

ANALYTE	LIMIT AMT (%)	AMT	PASS/FAIL
IMBEDDED FOREIGN MATERIAL	25 %	ND	PASS
INSECT FRAGMENTS, HAIR, MAMMAL EXCREMENT	1 Unit	ND	PASS
MOLD	25 %	ND	PASS
SAND, SOIL, CINDERS, DIRT	25 %	ND	PASS

## BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // JUN 18, 2022

ANALYTE	LIMIT	AMT (CFU)	PASS/FAIL
ASPERGILLUS FLAVUS	Any amt in 1 gram	ND	PASS
ASPERGILLUS FUMIGATUS	Any amt in 1 gram	ND	PASS
ASPERGILLUS NIGER	Any amt in 1 gram	ND	PASS
ASPERGILLUS TERREUS	Any amt in 1 gram	ND	PASS
ESCHERICHIA COLI	Any amt in 1 gram	ND	PASS
SALMONELLA SPP.	Any amt in 1 gram	ND	PASS

## BCL-020: HEAVY METAL TESTING BY ICP-MS // JUN 17, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ARSENIC	0.2 µg/g	< LOQ	0.001/0.05	PASS
CADMIUM	0.2 µg/g	< LOQ	0.0002/0.05	PASS
LEAD	0.5 µg/g	< LOQ	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

## BCL-02: MOISTURE CONTENT BY GRAVIMETRY // JUN 16, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		10.20	N/A

